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EXHIBIT A

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Subcloning pl1 (pT1-HP): the Hind III-PstI 0.95kb Fragment of Genomic Clone Tl1

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870409 Subcloning p11/Sac J-Hima II 2.2 6 fragment (cont) resolve in soul TE Add Sol B-J NHO. CLY EP 1% Agarose (Embryo gol 3 lanes Gene cleam. Agarose 0.19 0 250l. 250pl NAI Glassmilk 5 Ml 250pl NEW 2.5 pl = 2 @ TE 3 Subcleaning Sac I- PS+ I 1. - 1.6 p11 inTi PSTI- Hind I 0. 95 Kb $_{P}//$ 1% EP (Minigel 2 lanes Jeans e Gene clean 1, 2 0.95 Marose 0.07 0.18 NAI 175 nl 450 5 pl کیر بی Glassmilk 250 m 250pl NEW 2.5 x 2 25×2 TE 25_n

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Sequencing pl1 (0.95kb)

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AAGGGCAATGCCCGCCTGCCTGTGAAGTGGATGGCTCCGGAGAGCATCTTCGACTGTGTC

4150 4160 4170 4180 4190

Score=38, Matched=90, Mismatched=28, Unmatched=2, Gaps=2 Window=20, Word-size=2, Density=Less, Gap-Penalty=4 (1) 88/112 bp

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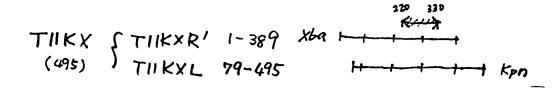
Page 1

my exan P11SA--MOUSE PDGF RECEPTOR 460 TTGGCTTTTAGGTGGCACCCCTTACCCCGGCATGATGGTGGATTCTACTTTCTACAATAA CTTCACACTGGGTGGCACCCCTTACCCAGAGCTGCCCATGAACGACCAGTTCTACAATGC E F Y N A GATCAAGAGTGGGTACOGGATGGCCAGGACCACGACTACCAGTGAA :: A: T S CATCAAGAGGGGCTACCGCATGCCCCAGCCTGCTCATGCCTCCGACGAGATC TAT ******* ** ***** *** ** ***** IKRGYRHAQP

Score=38, Matched=63, Mismatched=27, Unmatched=1, Gaps=1 Window=20, Word-size=2, Density=Less, Gap-Fenalty=4

MOUSE PDGF RECEPTOR--T11KX 2890 2900 ATGCCATCAAGAGGGG--------CTACCGCATG-G TAGGGGGAGGGGGGCCCTGAGACTTCCCCCTGTGCCCACTCTGAG TCTGTCCCCRC **>r•>)**₩ 170 180 190 200 YEIM OK CWEEK FE ATCTATGAGATCATGCAGAAATGCTGGGAAGAAAAGTTTGAGACTCGACCCCCTTC CTACGAGATCATGGTGAAATGCTGGAACAGTGAGCCGGAGAAGAGAGCCCTCCTTT क इक्षित्र कित न न्या ल कि प्रक्रिय कि CCCAGCTGGTGCTGCTCCTGGAGAGGCTTCTGGG-TGAAGGCTATAAAAAAAAAGAAGTACCAG ACCACCTGAGTGAGATTGTGGAGAATCTGCTGCCXTGGACAATATAAAAAGGTGTGTTTG G & DB B ↑ 36/106 ≥ 66%

Score=40, Matched=98, Mismatched=60, Unmatched=12, Gaps=4 Window=20, Word-size=2, Density=Less, Gap-Penalty=4



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Indient | GT-AG

Titration and Mini-Prep of the Okayama-Berg cDNA Library (Normal Human Fibroblasts cDNA Library)

870629 Timation of p-B court Likray (DHS) 9.5 × 10 4/ml 1×104/ (1×10%/ml) 1.00 550 = 0.5 (~ 5 x 107 celle/ml 1×104/nl 10 pl - 1 ml 10³ x 111 1 × 102/2 10pl > Iml (0² 3 *]*| 10 10pl > Iml 22 46'- 10 45' 1124 - 1630' (18) Titer : 1.1×10 5/pl 8706 30 1.5 x 10 2 plate x 66 plate 1.5 x 106 / 1000pl ionl plate = 66 plates (660pl)

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Isolation of 0.2kbp Subfragment of $\lambda \rm EF$ 17 To Screen a M426 Human Embryo Fibroblast cDNA Library

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Mini-Preparation of Plasmid DNA: DNA Clones TR1 through 6 and TR8

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7	TR4	#445-1							-	
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13	TR8	#448 -1			مسند	Sal	445168	15 B/S	c ¹	
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Subcloning TR4

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	total		10		10		10		10	<u></u>
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Minipreparation of Plasmid DNA: pSSV/TR4 (α -PDGF-R) and HPR (β -PDGF-R)

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	mis	inepar	ton	of.	Plasmot	DNA	pSSV/	TRK	A HP	R
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Binding of 125 I-labeled Human PDGF to Control Mouse 3T3 cells, Control COS-1 cells and COS-1 cells transfected with T11 (α -PDGF-R) HPR (β -PDGF-R) cDNA Expression Vectors

1257 b. inding POST 32 D vella + 4 mella 8 wells + 4 wells 32D. HPR 125I - C- SI'S 0.5 ml mall 250 mg/10 100%. 2 pl/Emily C-51'S Bul Apral 8 ml 210 ng/pl 754 201/9 mls A-A 12.9 D/quelle hupper 242ng/9.8 w/o competion 125 I - huPDGF Condial 14Acetole 12.gol 0.6 ml (1ng) hu PDGF Xeg/28 48 pl / Total Unl Imarbate (30 min.) Fibronectin coating 2 × 12 well x / 32 D Cells J64 a) 85ml / flast 4) 16.2 HPR resuspended in 50ml DHEM 48 ml DHEM aml /[fibranectin costs of 12 wells plate] well & Imanbate 30 min Wash the cells & take off the non-adherent cells by using Bioding Buffer (DHEM + DSMHHOLD long lond BSA Binding RT 1hr Some Binding Buffor 200 Selbiliging Buffet RT Count

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	32D	125]- C-515	_	306	\			
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6			4	244	294 ±3	7		
2			Hupdgf	329	1			
8			•	264	297 141	>		
9		™J-HuP067	_	82]			
10			_	794	738±79			
//			HuPDGF	506]			
/2	•		•	527	517±15			
13	32D/HPR	RSI-C-Sig	-	2014	1			
14			_	1979	1997± 25			
15			C-515	33 /	1			
16			3	324	328 ± 5			
12			A-A	1950]			
18			4	2046	1998 ± 68			
19			Hupdgfi	902	1			
20				960	931±41			
2/		125 I-Huppag	_	850	7			
22				634	742 ± 153			
ચ			Hupdga	544	7	·		
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		125 I - HUPDGA	2grl	129/	23103 total/well 31630	390ml		

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